

Abstract of the Disclosure:

A device and a method for producing glass fibers from preforms use a fiber furnace having heating bushes and a follow-up device for holding and feeding the preforms. The glass fibers  
5 are passed on to a drawing and sizing installation and wound as fiber bundles on take-up spools. The heating bushes are disposed in a matrix-like configuration for receiving a number of preforms. The glass fibers are provided as a band such that the glass fibers are disposed next to one another when they  
10 are received by the drawing and sizing installation. The principal matrix axes have a given offset angle in relation to one another, such that the matrix-like configuration is preferably a rhomboid-shaped configuration. A flow device creates a predetermined air flow in the heating bushes. A  
15 temperature and cooling control creates predetermined temperature profiles in the heating bushes.

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